

98-434146/37	A85 D22 E32 G02 J01 L03 (E36)	ISHI 96.12.27
ISHIKAWAJIMA HARIMA HEAVY IND 96.12.27 96JP-351184 (98.07.07). C09D 5/24, 5/00, 5/08, C09K 3/00, C09D 5/14 // H01L 31/08	*JP 10183029-A	
Photo-electrode type conductive coating compsn. - contains fine titanium di:oxide powder in conductive polymeric binder. C98-131523	A(8-M9A, 9-A3, 12-E11A) D(9-B) E(35-K2) G(2-A5) J(1-E2D) L(3-C2A) air.	
A photoelectrode type conductive coating compsn. (P) contains 10-70 wt. % of fine powder (A) of TiO ₂ having photoelectrode function in conductive polymer binder (B).	<p><u>PREFERRED MATERIAL</u></p> <p>(1) (A) is fine powder of TiO₂ that was changed to n-type semiconductor by adding 0.01-0.2 wt. % of penta-valent element Nb to TiO₂. (2) (B) is conductive binder obtd. by modifying such insulating polymer as polyester, phenol, acryl, melamine, or epox resin to a conductivity of at least 0.0001 S/cm by adding 10-70 wt % of conductive filler like Ag, Cu and/or carbon. (3) (B) is conductive polymer, in which π electron of conjugated double bond of the main chain realises electroconductivity of 0.0001-100,000 S/cm, like polyacetylene,, polythiophene, polyfuran, polyiminobenzyl, and polyaniline. (4p180DwgNo.0/3)</p>	
<p><u>USE</u></p> <p>(P) is suitable for forming on various substrates coating films that exhibit various functions like corrosion prevention of substrate metals, stain prevention, antifungal action, deodorizing, and removal of Nox and SOx in the air.</p>		
<p><u>ADVANTAGE</u></p> <p>Coating films formed from (P) exhibit excellent various functions like corrosion prevention of substrate metals, stain prevention, antifungal action, deodorizing, and removal of Nox and SOx in the</p>		

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